

## Hamilton County

8/31/2020

### Background Statistics<sup>1</sup>

Number of farms: 353

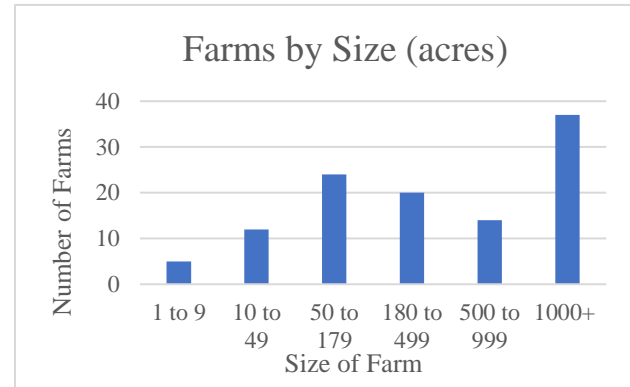
Average size: 1,541 acres

Land in farms: 544,086 acres

Average value of products sold per farm: \$950,879

Average net cash farm income per farm: \$146,634

1: Data from USDA 2017 Census of Agriculture



## Estimated Economic Contribution of Agriculture and Agriculture Related Sectors to the Hamilton County Economy

### Methodology

The estimated economic contribution of agriculture and agriculture related sectors was computed using the most recent IMPLAN data available (2018) adjusted for 2020. The IMPLAN modeling system was used to calculate the results of this analysis. The IMPLAN model was constructed so that double counting was avoided. For this report, 15 of the 71 agriculture and agriculture related sectors in Kansas were identified and analyzed to determine their overall contribution to the Hamilton County economy.

### Results

These 15 sectors have a total direct output of approximately **\$453.5 million** and account for **729 jobs** in Hamilton County. Running the model for all 15 sectors simultaneously produces the following results:

Agriculture, Food, and Food Processing Sector Contribution to Overall Hamilton County Economy					
Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	729	40%	\$67,900,000	51%	\$453,500,000
Indirect Effect	226	12%	\$17,200,000	13%	\$44,800,000
Induced Effect	106	6%	\$8,100,000	6%	\$15,300,000
<b>Total Effect</b>	<b>1,061</b>	<b>58%</b>	<b>\$93,200,000</b>	<b>70%</b>	<b>\$513,500,000</b>

**NOTE:** Individual effects may not equal the total effect due to rounding.

As shown in the above table, agriculture, food, and food processing sectors support a total of **1,061 jobs**, or **58%** of the entire workforce in the county. The total final sales of all products in these sectors is approximately **\$513.5 million**.

Another metric used to calculate the importance of sectors in an economy is their value added as a percentage of Gross Regional Product (GRP). Total value added by the 15 agriculture, food, and food processing sectors is approximately **\$93.2 million**, or **70%** of the GRP.

## Top Ten Sectors by Employment

Out of the agriculture and agriculture related sectors, beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming is the top employer with **297 jobs**. This table also illustrates the top ten sectors by total employment, including direct, indirect, and induced effects in Hamilton County.

Sector	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	297
Dairy cattle and milk production	203
Support activities for agriculture and forestry	114
Wholesale - Other nondurable goods merchant wholesalers	73
Grain farming	50
All other crop farming	34
Other real estate	24
Monetary authorities and depository credit intermediation	18
Truck transportation	18
Machinery, equipment, and supplies	16

## Top Ten Sectors by Output

This table shows how much revenue is generated in other sectors by having a strong agriculture industry, including direct, indirect, and induced effects. The dairy cattle and milk production sector is the top contributor, with approximately **\$208.4 million** to the Hamilton County economy.

Sector	Total Output
Dairy cattle and milk production	\$208,400,000
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$190,600,000
Grain farming	\$38,800,000
Wholesale - Other nondurable goods merchant wholesalers	\$17,900,000
Support activities for agriculture and forestry	\$4,500,000
Owner-occupied dwellings	\$4,500,000
Monetary authorities and depository credit intermediation	\$4,100,000
All other crop farming	\$4,000,000
Animal production, except cattle and poultry and eggs	\$3,900,000
Machinery, equipment, and supplies	\$3,400,000

## All Direct Sectors

Below is a summary of all agriculture data with employment levels and output level. These values can tell how many jobs are represented by each agriculture, food, and food processing sector and the output they contributed to the Hamilton County economy. IMPLAN sectors are assigned based on North American Industry Classification System (NAICS) codes. Generally, this analysis includes three categories; production, manufacturing/processing, and services. Note that this analysis does not include wholesale or retail sales of final products, or ethanol production.

Sector	Total Output	Total Employment
Dairy cattle and milk production	\$208,366,607.65	203.36
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$190,612,824.66	297.39
Grain farming	\$38,831,005.97	49.52
Support activities for agriculture and forestry	\$4,521,616.80	114.15
All other crop farming	\$4,026,617.84	34.11
Animal production, except cattle and poultry and eggs	\$3,942,619.89	9.90
Other animal food manufacturing	\$806,216.95	0.78
Farm machinery and equipment manufacturing	\$560,706.49	1.64
Cotton farming	\$484,732.17	3.28
Landscape and horticultural services	\$428,868.81	11.14
Oilseed farming	\$327,683.22	0.07
Bread and bakery product, except frozen, manufacturing	\$247,869.59	2.09
Vegetable and melon farming	\$239,191.15	0.89
Poultry and egg production	\$45,400.95	0.03
Frozen cakes and other pastries manufacturing	\$42,184.04	0.50

The following terms are used throughout the results shown in this report:

- **Direct effect:** the contribution from agricultural and food products
- **Indirect effect:** the contribution from farms and agricultural businesses purchasing inputs from supporting industries within the state
- **Induced effect:** the contribution from employees of farms, agricultural businesses, and supporting industries spending their wages on goods and services within the state
- **Value added** = labor income + indirect business taxes + other property type income
- **Gross Regional Product** = final demand of households + government expenditures + capital + exports – imports – institutional sales
- **Output** = intermediate inputs + value added
- **Employment:** full-time/part-time annual average i.e., 1 job lasting 12 months = 2 jobs lasting 6 months each = 3 jobs lasting 4 months each. A job is neither full-time nor part-time.
- Due to confidentiality policies that exist within several agencies from which IMPLAN collects their data, some sectors in some regions may not have all data available.

For more information, contact the Division of Agricultural Marketing, Advocacy and Outreach Agency Economist  
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